## In the Abstract

Please amend the Abstract as follows.

DEVICE FOR CONVERTING A PHOTOSIGNAL INTO A VOLTAGE IN IMAGE SENSORS

WITH REMOTE INTEGRATORS

~~The invention relates to an~~ An image sensor with matrix readout ~~including~~ includes a

matrix of elementary photodetectors (P) connected through at least a bus (Bpel) to a remote

integrator (I) which converts the signal of each elementary photodetector into a voltage.

~~characterized in that it includes,~~ Provided between the end of the bus and the input of the

integrator, is an impedance matching device (D) with low output capacitance, delivering at its

output, during the time for converting photdectector signal, a variation of charge which

corresponds to an affine function of the charge present at the input of said matching device,

wherein this charge variation is determined by:

$$\int_{t=0}^{t=Tconv} Iinj(t).dt = \int_{t=0}^{t=Tconv} I\,int(t).dt$$

where Iinj is the instantaneous current of the bus, injected at the input of the impedance matching

device, Iint is the instantaneous current at the input of the integrator and Tconv is the conversion

time.

~~Fig. 4.~~